

# SEQUENCE LISTING

<110> Walke, D. Wade  
Scoville, John

<120> Novel Human Transporter Proteins and Polynucleotides Encoding the Same

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<150> US 60/210,045

<151> 2000-06-07

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Tyr Gly Ser Leu Phe Pro Ala Ile Ile Tyr Ala Ile Phe Gly Met Gly  
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Asn Ala Val Glu Arg Ile Val Pro Gln Asn Met Gln Asn Leu Thr Thr  
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Gln Ser Asn Thr Ser Val Leu Gly Leu Ser Asp Phe Glu Met Gln Arg  
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Pro Leu Gly Phe Phe Tyr Ile Tyr Ala Tyr Val Phe Glu Asn Ile Lys  
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<212> PRT

<213> homo sapiens

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Val Val Leu Pro Val Asp	Leu Val Leu Ile Ile	Ala Ala Ser Phe Ala
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<213> homo sapiens

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50 55 60	
Gly Leu Ala Phe Ala Val Leu Ser Ser Val His Pro Val Phe Gly Leu	
65 70 75 80	
Tyr Gly Ser Leu Phe Pro Ala Ile Ile Tyr Ala Ile Phe Gly Met Gly	
85 90 95	
His His Val Ala Thr Gly Thr Phe Ala Leu Thr Ser Leu Ile Ser Ala	
100 105 110	

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Pro	Val	Ile	Ser	Ala	Met	Thr	Thr	Gly	Ala	Ala	Thr	His	Val	Val	Thr	180	185	190
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Ser	Val	Arg	Leu	Glu	Ala	Leu	Leu	Leu	Ser	Leu	Leu	Ser	Ile	Val	Val	225	230	235
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His	Ile	Pro	Gln	Gly	Ile	Pro	Ser	Pro	Arg	Ala	Pro	Pro	Met	Asn	Ile	290	295	300
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Ser	Ile	Asp	Asp	Asn	Gln	Glu	Phe	Leu	Ala	His	Gly	Leu	Ser	Asn	Ile	340	345	350
Val	Ser	Ser	Phe	Phe	Phe	Cys	Ile	Pro	Ser	Ala	Ala	Ala	Met	Gly	Arg	355	360	365
Thr	Ala	Gly	Leu	Tyr	Ser	Thr	Gly	Ala	Lys	Thr	Gln	Val	Ala	Cys	Leu	370	375	380
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Leu	Tyr	Trp	Leu	Pro	Met	Cys	Val	Leu	Ala	Ser	Ile	Ile	Val	Val	Gly	405	410	415
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Val	Asp	Lys	Ile	Asp	Trp	Gly	Ile	Trp	Val	Ser	Thr	Tyr	Val	Phe	Thr	435	440	445
Ile	Cys	Phe	Ala	Ala	Asn	Val	Gly	Leu	Leu	Phe	Gly	Val	Val	Cys	Thr	450	455	460
Ile	Ala	Ile	Val	Ile	Gly	Arg	Phe	Pro	Arg	Ala	Met	Thr	Val	Ser	Ile	465	470	475
Lys	Asn	Met	Lys	Glu	Met	Glu	Phe	Lys	Val	Lys	Thr	Glu	Met	Asp	Ser	485	490	495
Glu	Thr	Leu	Gln	Gln	Val	Lys	Ile	Ile	Ser	Ile	Asn	Asn	Pro	Leu	Val	500	505	510
Phe	Leu	Asn	Ala	Lys	Lys	Phe	Tyr	Thr	Asp	Leu	Met	Asn	Met	Ile	Gln	515	520	525
Lys	Glu	Asn	Ala	Cys	Asn	Gln	Pro	Leu	Asp	Asp	Ile	Ser	Lys	Cys	Glu	530	535	540
Gln	Asn	Thr	Leu	Leu	Asn	Ser	Leu	Ser	Asn	Gly	Asn	Cys	Asn	Glu	Glu	545	550	555

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Val Tyr Met Asp Cys Lys Gly Arg Ser Val Asp Val Leu Leu Ala His  
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Ser Glu Lys Pro Ile Phe Phe Glu Ser Val Ser Ala Ala Ile Ser His  
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<213> homo sapiens

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			20					25					30		
Pro	Ile	Leu	Asp	Trp	Ala	Pro	His	Tyr	Asn	Leu	Lys	Glu	Asn	Leu	Leu
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Pro	Asp	Thr	Val	Ser	Gly	Ile	Met	Leu	Ala	Val	Gln	Gln	Val	Thr	Gln
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Tyr	Gly	Ser	Leu	Phe	Pro	Ala	Ile	Ile	Tyr	Ala	Ile	Phe	Gly	Met	Gly
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Val	Ala	Ser	Leu	Ala	Leu	Ala	Gln	Gly	Ser	Ala	Lys	Lys	Phe	Lys	Tyr
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385					390					395					400
Leu	Tyr	Trp	Leu	Pro	Met	Cys	Val	Leu	Ala	Ser	Ile	Ile	Val	Val	Gly
				405					410					415	
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Ile Asn Asn Pro Leu Val Phe Leu Asn Ala Lys Lys Phe Tyr Thr Asp		
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Leu Met Asn Met Ile Gln Lys Glu Asn Ala Cys Asn Gln Pro Leu Asp		
465	470	475
Asp Ile Ser Lys Cys Glu Gln Asn Thr Leu Leu Asn Ser Leu Ser Asn		
485	490	495
Gly Asn Cys Asn Glu Glu Ala Ser Gln Ser Cys Pro Asn Glu Lys Cys		
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Tyr Leu Ile Leu Asp Cys Ser Gly Phe Thr Phe Phe Asp Tyr Ser Gly		
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Val Ser Met Leu Val Glu Val Tyr Met Asp Cys Lys Gly Arg Ser Val		
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Asp Val Leu Leu Ala His Cys Thr Ala Ser Leu Ile Lys Ala Met Thr		
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Tyr Tyr Gly Asn Leu Asp Ser Glu Lys Pro Ile Phe Phe Glu Ser Val		
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Pro Asp Thr Val Ser Gly Ile Met Leu Ala Val Gln Gln Val Thr Gln	
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Gly Leu Ala Phe Ala Val Leu Ser Ser Val His Pro Val Phe Gly Leu	
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Tyr Gly Ser Leu Phe Pro Ala Ile Ile Tyr Ala Ile Phe Gly Met Gly	
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Gln Ser Asn Thr Ser Val Leu Gly Leu Ser Asp Phe Glu Met Gln Arg	
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195 200 205	
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Pro Asp Thr Val Ser Gly Ile Met Leu Ala Val Gln Gln Val Thr Gln
50          55          60
Gly Leu Ala Phe Ala Val Leu Ser Ser Val His Pro Val Phe Gly Leu
65          70          75          80
Tyr Gly Ser Leu Phe Pro Ala Ile Ile Tyr Ala Ile Phe Gly Met Gly
85          90          95
His His Val Ala Thr Gly Thr Phe Ala Leu Thr Ser Leu Ile Ser Ala
100         105         110
Asn Ala Val Glu Arg Ile Val Pro Gln Asn Met Gln Asn Leu Thr Thr
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Gln Ser Asn Thr Ser Val Leu Gly Leu Ser Asp Phe Glu Met Gln Arg
130         135         140
Ile His Val Ala Ala Ala Val Ser Phe Leu Gly Gly Val Ile Gln Val
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Ala Met Phe Val Leu Gln Leu Gly Ser Ala Thr Phe Val Val Thr Glu
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Pro Val Ile Ser Ala Met Thr Thr Gly Ala Ala Thr His Val Val Thr
180         185         190
Ser Gln Val Lys Tyr Leu Leu Gly Met Lys Met Pro Tyr Ile Ser Gly
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 Cys Tyr Cys Thr Asn Met Glu Asn Thr Tyr Gly Leu Glu Val Val Gly  
 275 280 285  
 His Ile Pro Gln Gly Ile Pro Ser Pro Arg Ala Pro Pro Met Asn Ile  
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